

ABSTRACT OF THE DISCLOSURE

A fingerprint recognizing device having patterned floating electrodes is disclosed. The fingerprint 5 recognizing device includes a transparent electrode layer to which one terminal of an AC power source is connected; a light emitting layer for forming an electric field between the transparent electrode layer and a finger forming a ground contact when being 10 contacted with the finger and emitting light by this electric field for generating an optical fingerprint image according to ridge lines of a fingerprint image; a plurality of patterned floating electrodes arranged on the light emitting layer at a predetermined interval and 15 turned on/off to output the optical fingerprint image; and a transparent insulating layer for transmitting the optical image generated from the light emitting layer.

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